

Remarks

Entry of the foregoing amendment into the above identified Application, prior to examination thereof, is respectfully requested.

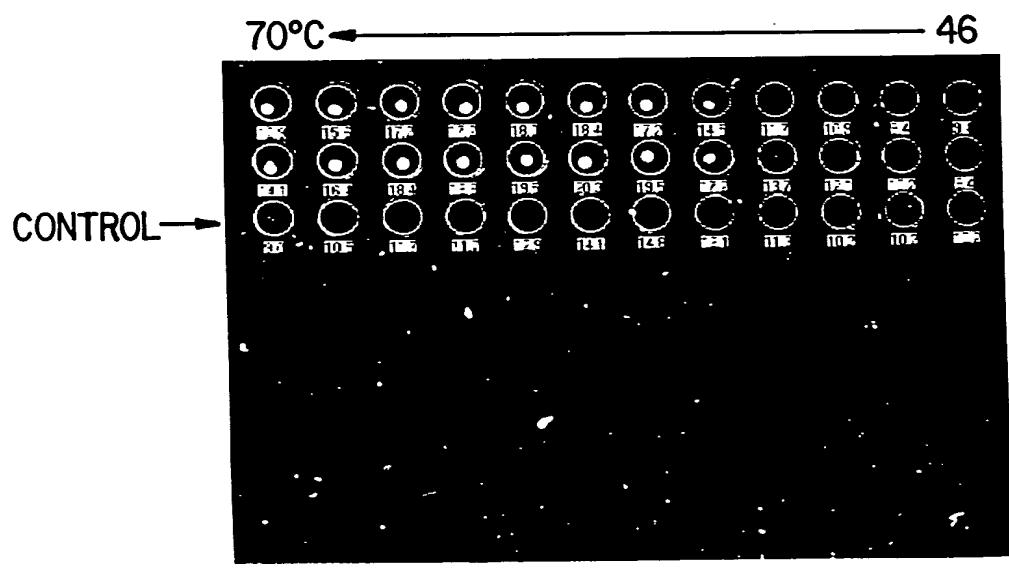
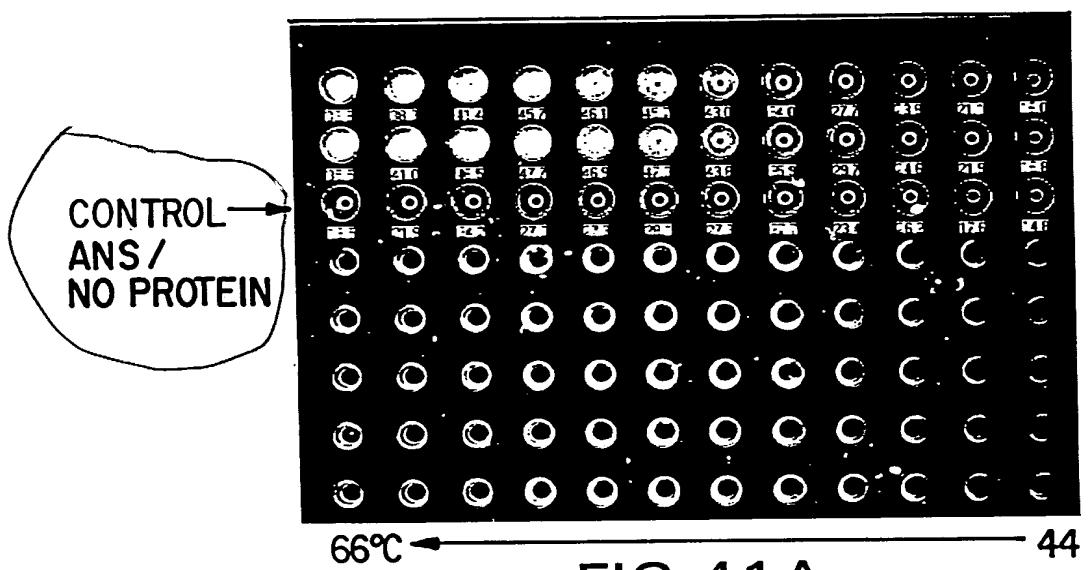
Upon entry of the foregoing preliminary amendment, independent claim 1 is pending in the application. Claims 2-53 are canceled without prejudice to or disclaimer of the subject matter recited therein.

In the Specification

The Specification is amended to replace the paragraph at page 1, line 4 with a paragraph reflecting that this application is a continuation of U.S. non-provisional patent application serial number 09/459,996 (U.S. Patent 6,214,293). U.S. patent application serial number 09/459,996 was filed as a continuation of U.S. non-provisional patent application 08/853,459 (U.S. Patent 6,036,920), which claimed priority to U.S. provisional application serial number 60/017,860.

The Specification is amended at page 17, line 7, to replace, "FIGURE 8 shows" with, --FIGURES 8A and 8B show--, to correspond to drawing amendments made in the concurrently filed Request to Approve Proposed Drawing Corrections.

The Specification is amended at page 5, lines 4-7, to delete "The calorimetric and spectral thermal shift studies described above all share a common limitation. In each study, only one binding reaction was heated and assayed at a time." This change corresponds to a similar change submitted in the parent application (09/459,996).





Appl. No. 09/801,676
Pantoliano *et al.*

Version with markings to show changes made

In the Claims:

Claim 2-53 have been cancelled.

In the Specification:

The Specification has been amended at page 1, line 4, as follows:

This application [claims priority to] is a continuation of U.S. non-provisional patent application [no.] serial number 09/459,996, filed December 14, 1999 (U.S. Patent 6,214,293). U.S. patent application 09/459,996 was filed as a continuation of U.S. non-provisional patent application 08/853,459, filed May 9, 1997 (U.S. Patent 6,036,920), which claimed priority to U.S. provisional application serial number 60/017,860, filed May 9, 1996, all of which [is] are incorporated herein by reference in their entireties.

The Specification has been amended at page 17, line 7, as follows:

FIGURES 8A and 8B show[s] the results of a miniaturized microplate thermal shift assay of a prosolute binding to the D(II) domain of human FGF receptor 1.

The Specification has been amended at page 5, line 1, as follows:

Like calorimetric technologies, spectral technologies have been used to monitor temperature induced protein unfolding (Bouvier, M. et al., *Science* 265:398-402 (1994); Chavan, A.J. et al., *Biochemistry* 33:7193-7202 (1994); Morton, A. et al., *Biochemistry* 1995:8564-8575 (1995)). [The calorimetric and spectral thermal shift studies described above all share a common limitation. In each study, only one binding reaction was heated and

assayed at a time.] The single sample heating and assay configuration, as conventionally performed, has impeded the application of thermal shift technologies to high throughput screening of combinatorial libraries. Thus, there is a need for a thermal shift technology which can be used to screen combinatorial libraries, can be used to identify and rank lead compounds, and is applicable to all receptor proteins.

In the Drawings:

FIG. 8 has been replaced with FIGS. 8A and 8B, as shown in the drawings submitted with the concurrently filed Request to Approve Proposed Drawing Corrections.

FIGS. 25 and 41A have been amended as shown in red in the drawings submitted with the concurrently filed Request to Approve Proposed Drawing Corrections.

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In the Drawings

FIG. 8 is replaced with FIGS. 8A and 8B, as shown in the drawings submitted with the concurrently filed Request to Approve Proposed Drawing Corrections. Similar changes were approved by the Examiner in the parent application, serial number 09/801,676.

FIGS. 25 and 41A are amended as shown in red in the drawings submitted with the concurrently filed Request to Approve Proposed Drawing Corrections. Similar amendments were approved by the Examiner in the parent application, serial number 09/459,996.

These amendments introduce no new matter and their entry is respectfully requested.

Conclusion

The amendments made herein introduce no new matter and their entry is respectfully requested. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Preliminary Amendment is respectfully requested.

Respectfully submitted,

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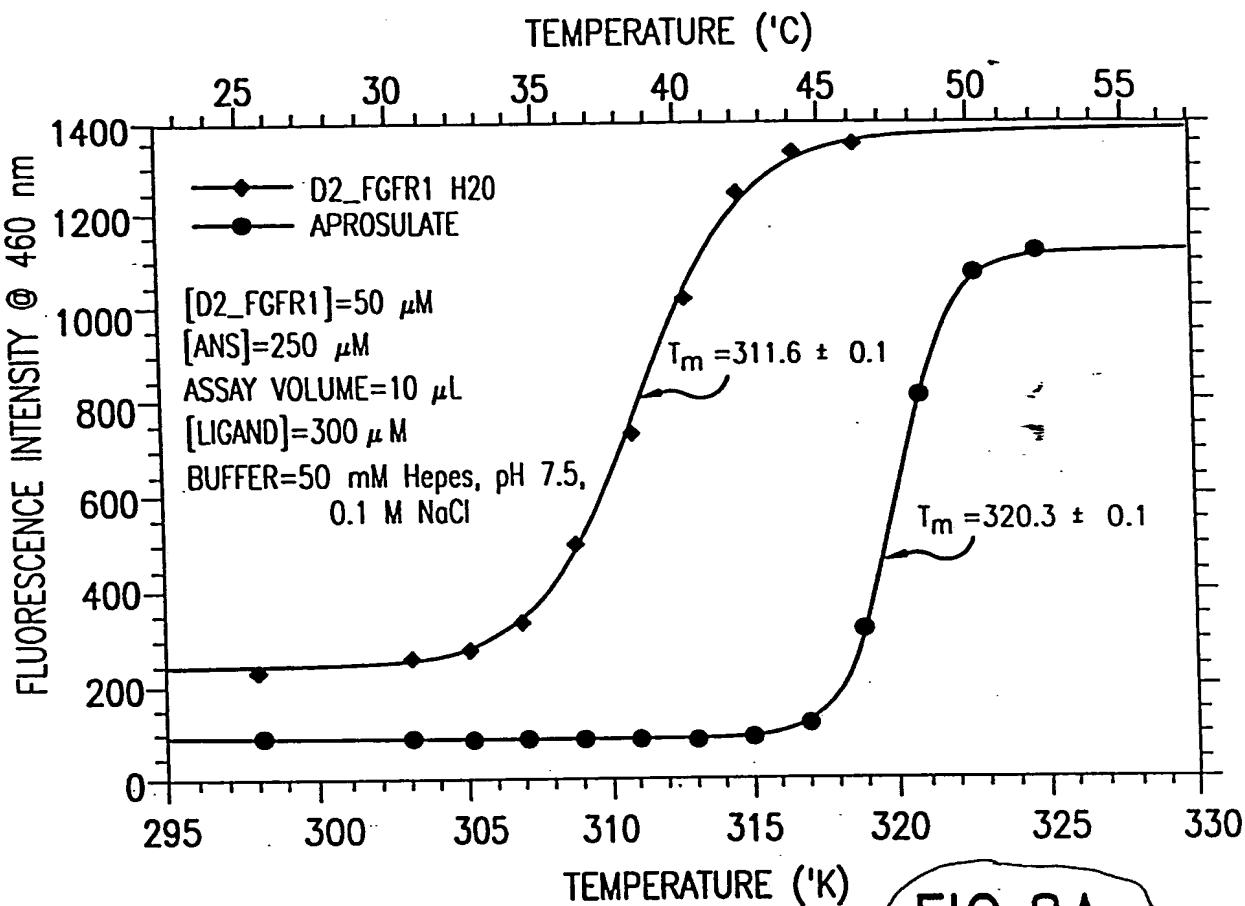


FIG.8A

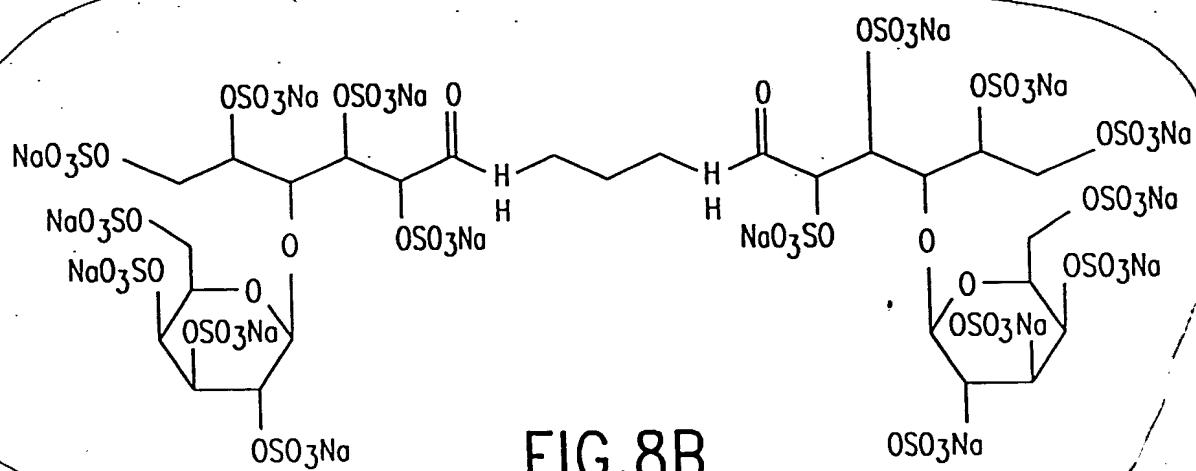


FIG. 25

